

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
August 1, 2011  
Permit 251932

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                            |  |                               |
|--------------------------------------------------------------------------------------------|--|-------------------------------|
| 1. Operator Name and Address<br>ASCENT ENERGY, LLC.<br>14982 Melco Ave<br>Parker, CO 80134 |  | 2. OGRID Number<br>325830     |
| 4. Property Code<br>319772                                                                 |  | 3. API Number<br>30-025-44788 |
| 5. Property Name<br>TOQUE STATE COM                                                        |  | 6. Well No.<br>602H           |

**7. Surface Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| K        | 6       | 21S      | 33E   | K       | 2546      | S        | 1285      | W        | Lea    |

**8. Proposed Bottom Hole Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| N        | 7       | 21S      | 33E   | N       | 330       | S        | 1542      | W        | Lea    |

**9. Pool Information**

|                                  |       |
|----------------------------------|-------|
| WC-025 G-08 S213304D;BONE SPRING | 97895 |
|----------------------------------|-------|

**Additional Well Information**

|                           |                             |                                        |                         |                                    |
|---------------------------|-----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>OIL        | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>3790 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>19079 | 18. Formation<br>Bone Spring           | 19. Contractor          | 20. Spud Date<br>9/15/2018         |
| Depth to Ground water     |                             | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 17.5      | 13.375      | 54.5             | 1630          | 1000            | 0             |
| Int1 | 12.615    | 9.625       | 40               | 4900          | 1200            | 0             |
| Prod | 8.75      | 5.5         | 20               | 19079         | 2100            | 0             |

**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 3000             | 3000          |              |

|                                                                                                                                                                                                                                                                                                                      |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.<br><br>Signature: | <b>OIL CONSERVATION DIVISION</b>                         |
| Printed Name: Electronically filed by Jody C Robins                                                                                                                                                                                                                                                                  | Approved By: Paul F Kautz                                |
| Title: VP Drilling                                                                                                                                                                                                                                                                                                   | Title: Geologist                                         |
| Email Address: jrobins@ascentenergy.us                                                                                                                                                                                                                                                                               | Approved Date: 5/16/2018      Expiration Date: 5/16/2020 |
| Date: 5/4/2018      Phone: 720-710-8999                                                                                                                                                                                                                                                                              | Conditions of Approval Attached                          |

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |                            |                        |                                   |
|----------------------------|----------------------------|------------------------|-----------------------------------|
| <sup>1</sup> API Number    |                            | <sup>2</sup> Pool Code | <sup>3</sup> Pool Name            |
|                            |                            | 97895                  | WC-025 G-08 S213304D; BONE SPRING |
| <sup>4</sup> Property Code | <sup>5</sup> Property Name |                        | <sup>6</sup> Well Number          |
|                            | TOQUE STATE COM            |                        | 602H                              |
| <sup>7</sup> OGRID No.     | <sup>8</sup> Operator Name |                        | <sup>9</sup> Elevation            |
| 325830                     | ASCENT ENERGY              |                        | 3,790'                            |

### <sup>10</sup> Surface Location

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| K             | 6       | 21 S     | 33 E  |         | 2,546         | SOUTH            | 1,285         | WEST           | LEA    |

<sup>11</sup> Bottom Hole Location If Different From Surface

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| N             | 7       | 21 S     | 33 E  |         | 330           | SOUTH            | 1,542         | WEST           | LEA    |

| <sup>12</sup> Dedicated Acres | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|-------------------------------|-------------------------------|----------------------------------|-------------------------|
|                               |                               |                                  |                         |

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16

1,285'

1,542'

SHL

A

FTP

SEC. 6  
T21S R33E

C

D

2,307'

2,546'

GRID AZ. = 132°33'16"

HORIZ. DIST. = 351.83'

SEC. 7  
T21S R33E

E

F

GRID AZ. = 179°36'48"

HORIZ. DIST. = 7,259.38'

LTP

BHL

G

H

330'

332'

SEC. 18

GEODETIC COORDINATES

NAD 27 NME

SURFACE LOCATION

Y= 549,109.6

X= 721,389.0

LAT.= 32.507563°N

LONG.= 103.615187°W

FIRST TAKE POINT

NAD 27 NME

Y= 548,871.7

X= 721,648.2

LAT.= 32.506904°N

LONG.= 103.614351°W

CORNER COORDINATES TABLE

NAD 27 NME

|                                    |
|------------------------------------|
| A - Y= 549,202.0 N, X= 721,276.3 E |
| B - Y= 549,208.1 N, X= 722,595.9 E |
| C - Y= 546,563.4 N, X= 721,299.8 E |
| D - Y= 546,567.2 N, X= 722,616.8 E |
| E - Y= 543,922.9 N, X= 721,317.9 E |
| F - Y= 543,929.3 N, X= 722,638.7 E |
| G - Y= 541,280.5 N, X= 721,339.6 E |
| H - Y= 541,288.5 N, X= 722,660.6 E |

LAST TAKE POINT

NAD 27 NME

Y= 541,614.7

X= 721,696.9

LAT.= 32.486956°N

LONG.= 103.614352°W

BOTTOM HOLE LOCATION

NAD 27 NME

Y= 541,612.7

X= 721,696.9

LAT.= 32.486950°N

LONG.= 103.614352°W

GEODETIC COORDINATES

NAD 83 NME

SURFACE LOCATION

Y= 549,170.6

X= 762,570.2

LAT.= 32.507684°N

LONG.= 103.615677°W

FIRST TAKE POINT

NAD 83 NME

Y= 548,932.7

X= 762,829.4

LAT.= 32.507025°N

LONG.= 103.614842°W

CORNER COORDINATES TABLE

NAD 83 NME

|                                    |
|------------------------------------|
| A - Y= 549,263.0 N, X= 762,457.5 E |
| B - Y= 549,269.1 N, X= 763,777.1 E |
| C - Y= 546,624.4 N, X= 762,481.1 E |
| D - Y= 546,628.1 N, X= 763,798.1 E |
| E - Y= 543,983.8 N, X= 762,499.3 E |
| F - Y= 543,990.2 N, X= 763,820.1 E |
| G - Y= 541,341.3 N, X= 762,521.0 E |
| H - Y= 541,349.3 N, X= 763,842.1 E |

LAST TAKE POINT

NAD 83 NME

Y= 541,675.5

X= 762,878.3

LAT.= 32.487077°N

LONG.= 103.614842°W

BOTTOM HOLE LOCATION

NAD 83 NME

Y= 541,673.5

X= 762,878.3

LAT.= 32.487071°N

LONG.= 103.614842°W

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Dean Gimbel*

Signature \_\_\_\_\_ Date 5/3/18

Dean Gimbel

Printed Name \_\_\_\_\_

dgimbel@ascenergy.us

E-mail Address \_\_\_\_\_

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

04-17-2018

Date of Survey \_\_\_\_\_

Signature and Seal of Professional Surveyor:

*Mark Dillon Harp*

MARK DILLON HARP 23786

Certificate Number \_\_\_\_\_ RR/AW 2018010478

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Form APD Comments

Permit 251932

PERMIT COMMENTS

|                                                                                                   |                                |
|---------------------------------------------------------------------------------------------------|--------------------------------|
| Operator Name and Address:<br>ASCENT ENERGY, LLC. [325830]<br>14982 Melco Ave<br>Parker, CO 80134 | API Number:<br>30-025-44788    |
|                                                                                                   | Well:<br>TOQUE STATE COM #602H |

| Created By | Comment                                                                                                                                                                                                          | Comment Date |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| pkautz     | State of New Mexico GIS Coordinator has determine that state agency cannot use or accept GIS coordinates in NAD83. Therefore, the NMOCD cannot accept the APD's submitted because GIS coordinates are in NAD 27. | 5/4/2018     |
| pkautz     | State of New Mexico GIS Coordinator has determine that state agency cannot use or accept GIS coordinates in NAD83. Therefore, the NMOCD cannot accept the APD's submitted because GIS coordinates are in NAD 27. | 5/4/2018     |

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

Form APD Conditions

Permit 251932

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                   |                                |
|---------------------------------------------------------------------------------------------------|--------------------------------|
| Operator Name and Address:<br>ASCENT ENERGY, LLC. [325830]<br>14982 Melco Ave<br>Parker, CO 80134 | API Number:<br>30-025-44788    |
|                                                                                                   | Well:<br>TOQUE STATE COM #602H |

| OCD<br>Reviewer | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| pkautz          | Will require a directional survey with the C-104                                                                                                                                                                                                                                                                                                                                                                                                                     |
| pkautz          | 1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface R-111-P -- 2) PRODUCTION CASING - Cement must circulate to surface R-111-p --                                                                                                                                                                                                                                                                                                                    |
| pkautz          | If cement does not circulate to surface, must run temperature survey or other log to determine top of cement                                                                                                                                                                                                                                                                                                                                                         |
| pkautz          | Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water                                                                                                                                                                                                                                                                                                                                                                 |
| pkautz          | 1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104                                                                                                                  |
| pkautz          | It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD.                                                                                                                                                      |
| pkautz          | Potash Area - ** Three String Casing Program - In accordance with R-111-P all strings shall be cemented to surface. ** Salt Protection String - If the cement fails to reach the surface or the bottom of the cellar, where required, the top of the cement shall be located by a temperature or other survey and additional cementing shall be done until the cement is brought to the surface. ** Stage tool must be a minimum of 50 feet below intermediate shoe. |